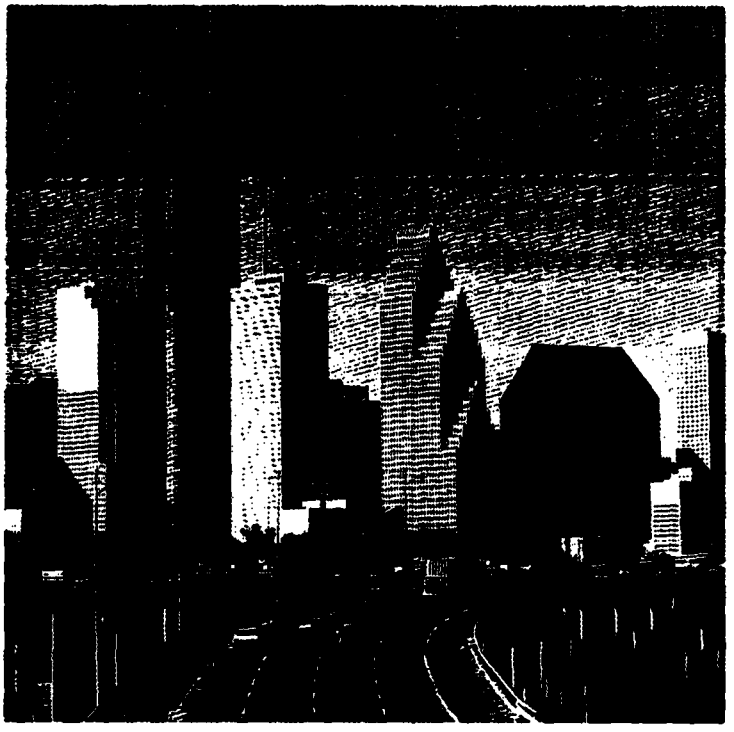
SONY



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Feature Telephone

Operating Instructions

IT-D100/D150 *(with Liquid Crystal Display)*

Owner's record

The model and serial numbers are located at the bottom of the phone.
Record the serial number in the space provided below.
Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. IT-D100/D150 Serial No. _____

Warning

To prevent fire or shock hazard, do not expose the set to rain or moisture.
To avoid electrical shock, do not open the cabinet.
Refer servicing to qualified personnel only.

TELECOMMUNICATIONS HELPLINE
(201) 391-6111

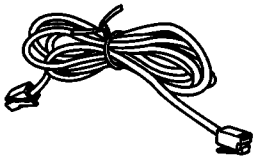
PLEASE CALL US WITH YOUR QUESTIONS AND COMMENTS ON SONY TELEPHONE PRODUCTS.

What You Get with Your Phone

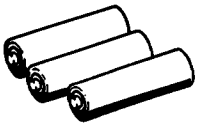
Telephone with and handset

IT-D150

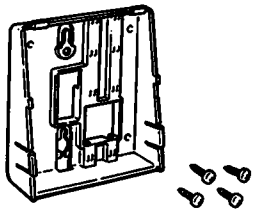
Connecting line cord



Batteries (size AA)

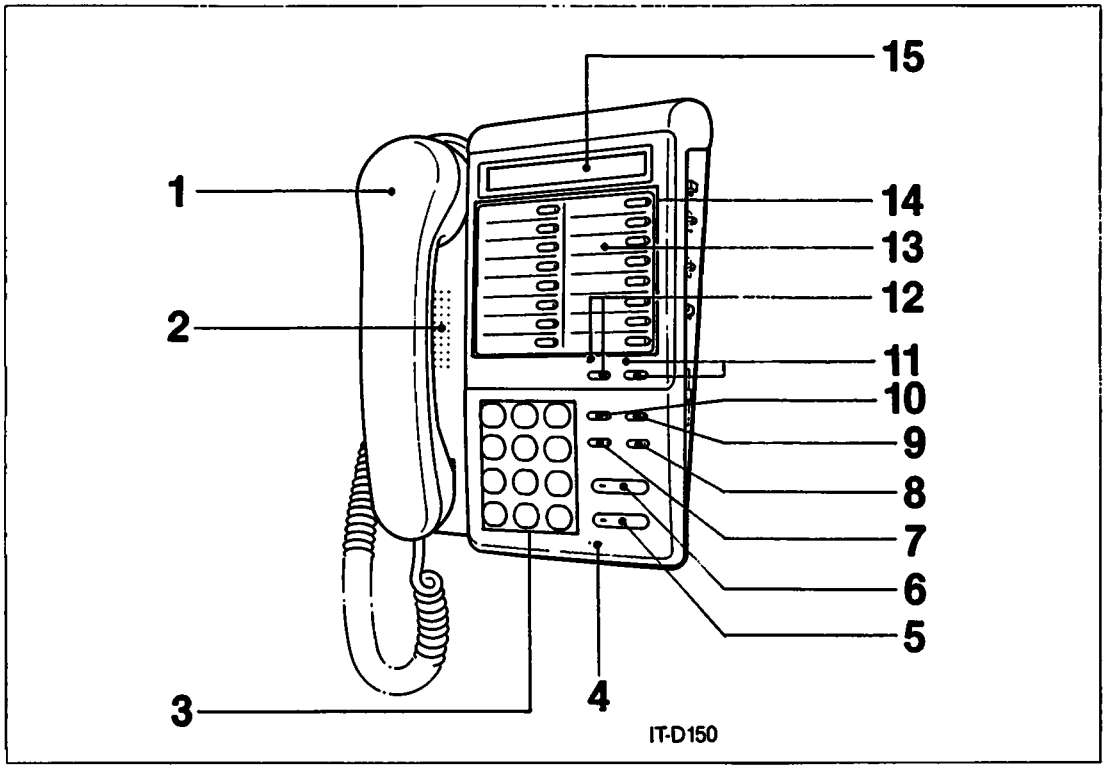


Wall mounting bracket and screws



This instruction manual covers two models, IT-D100 and IT-D150.
The IT-D150 is provided with the Liquid Crystal Display the IT-D100 is not.
The illustrations shown in this manual are IT-D150.

Looking at Your Phone



1 Handset

2 Speaker

3 Dialing keys

4 MIC (microphone)

5 SPEAKERPHONE button and lamp
Allows you to speak without picking up the handset.

6 MUTE button and lamp
Mutes your voice for privacy. You can hear the other party but the other party cannot hear you.

7 TONE button
Temporarily switches the dialing mode from pulse to tone.

8 SCRATCH button
Allows you to enter a phone number into memory during conversation, or to save a dialed phone number for later redial.

9 FLASH button
Accesses call waiting (or gives you a new dial tone).

10 REDIAL/PAUSE button
Redials the last number called/Inserts a pause in the memory dialing sequence.

11 LOWER button and lamp
Allows you to switch to lower line memory position of the one-touch dialing buttons.

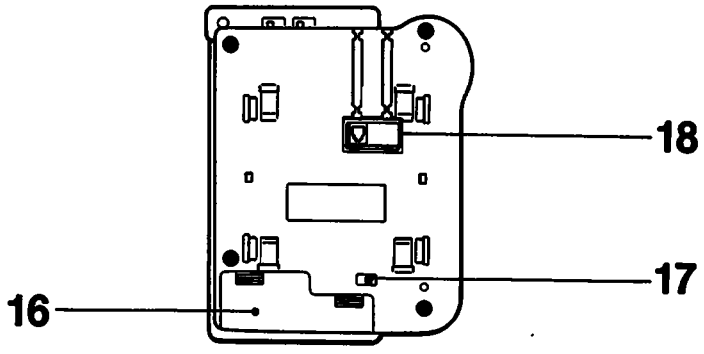
12 HOLD button and lamp
Puts a call on hold.

13 Directory

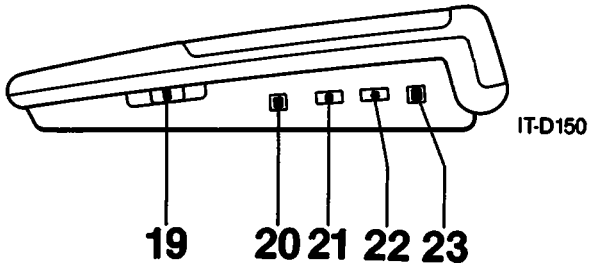
14 One-touch dialing buttons
Automatically dials the number stored with one-touch.

15 Liquid Crystal (LC) Display (IT-D150 only)

Bottom



Right



16 **Battery compartment**

17 **DIAL MODE selector**
Selects pulse or tone dialing to match the service you are receiving.

18 **TEL (telephone) LINE jack**

19 **SPEAKER VOL (volume) control**

20 **PROGRAM button**
Stores numbers into the one-touch memory locations.

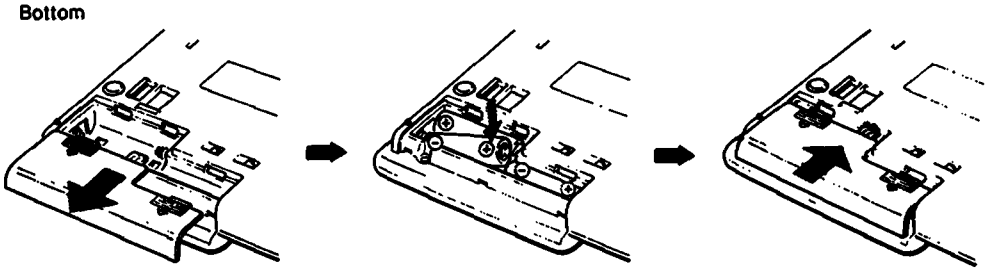
21 **RINGER LEVEL (volume) selector**

22 **RINGER TONE selector**

23 **ALARM button (IT-D150 only)**
Sets and activates the alarm function.

Battery Installation for Memory Backup

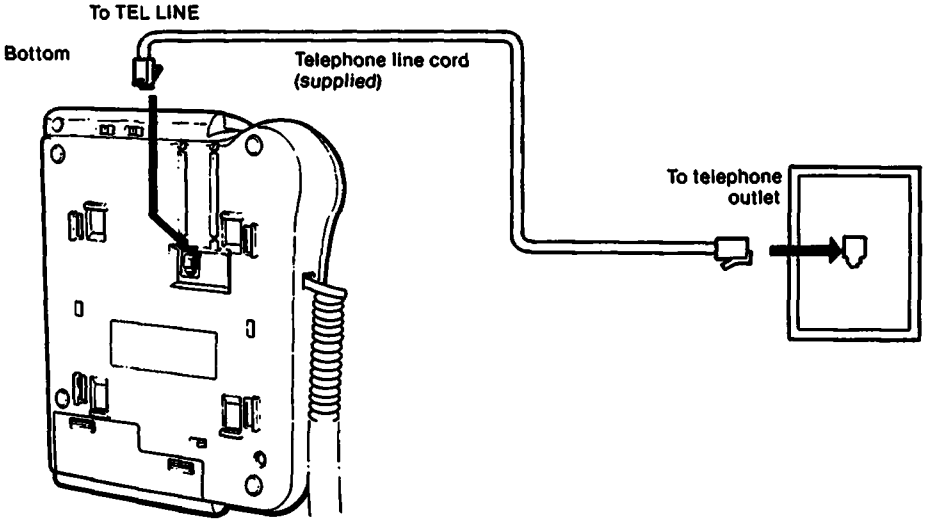
Install three supplied size AA batteries to provide memory backup.



Note

Change batteries at least every six months. With weak batteries, the programmed phone numbers will be erased and the clock setting will be lost (IT-D150) in the event of a power interruption.
When the LOWER lamp goes off, change the battery.

Telephone Line Connection



If your telephone outlet is not a modular type, you need modification. Please contact your telephone company if you need assistance.

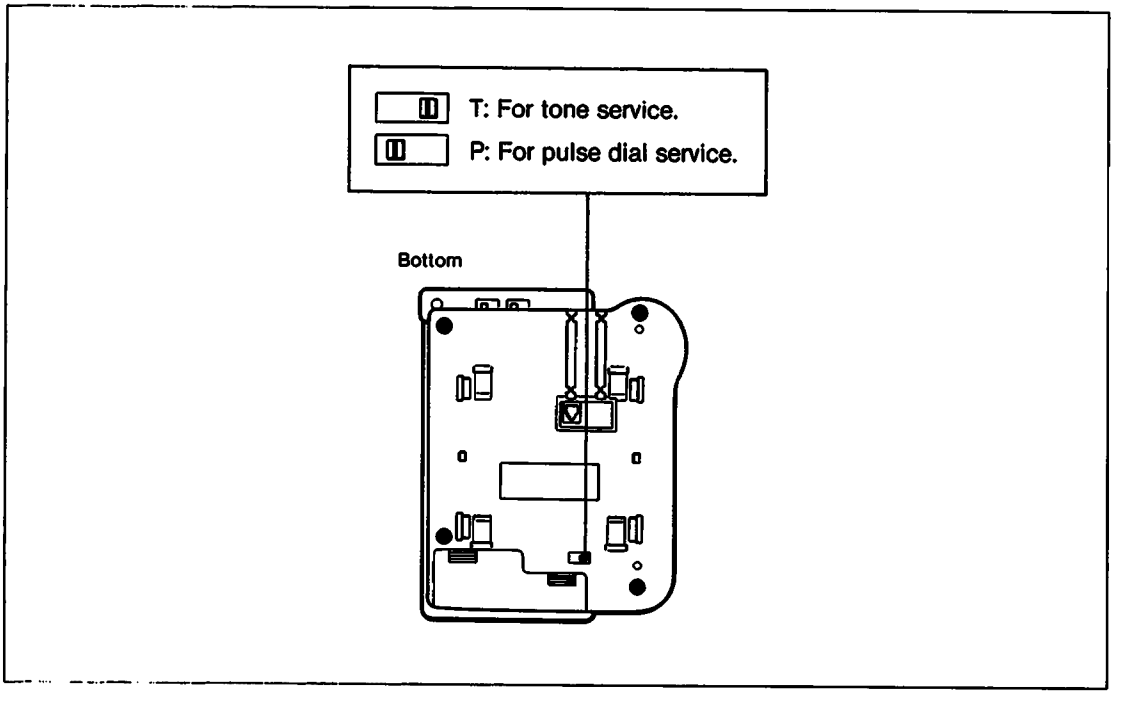
DIAL MODE Selector Setting (pulse or tone)

If you do not know whether your telephone service is pulse or tone, find out by following the steps below.
The selector is preset to T (tone).

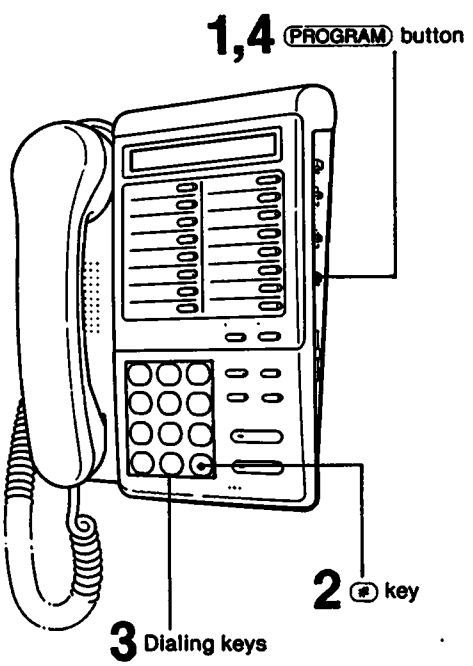
1 Confirm that the DIAL MODE selector located on the bottom is set to T.

2 Make a trial call.

3 If the call is connected, you have tone service. Leave the selector at T.
Otherwise, set the selector to P (pulse).



Setting the Current Time (IT-D150 only)



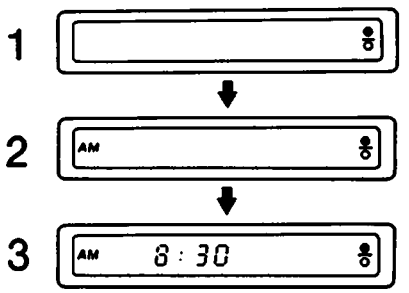
1 Press PROGRAM.

2 Press # to select AM or PM.

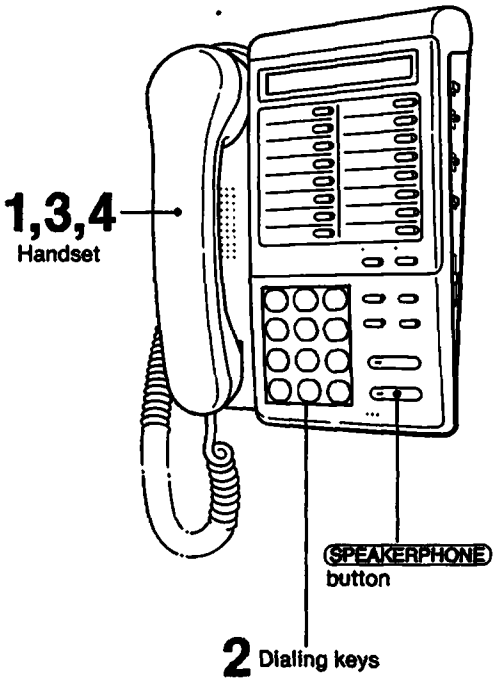
3 Program the time by using the dialing keys.
Example: For 8:30, enter 0 8 3 0.

4 Press PROGRAM again.

Example: To set to 8:30 AM.

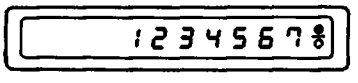


To change the digits
Program a new time using the procedure above. The old digits will be erased automatically.

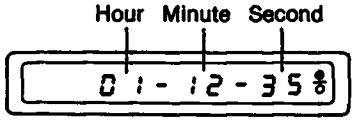


LC Display (IT-D150 only)

Example 1: The phone number is 123-4567



Example 2: Talk time



1 Pick up the handset. Confirm the dial tone.

2 Dial the number.
The number appears on the LC Display (Example 1, IT-D150 only).

3 Talk when your party answers.
Talk time appears on the LC Display (Example 2, IT-D150 only).

4 When you have finished, replace the handset in its cradle to disconnect.

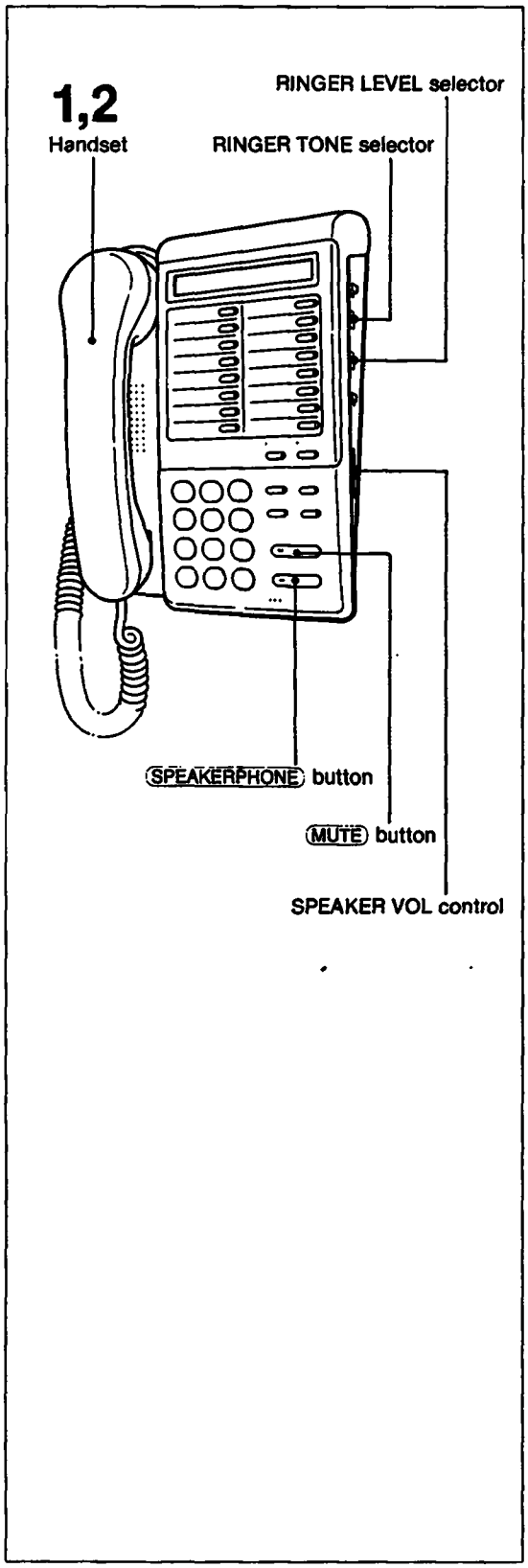
Note

If the phone number has more than 12 digits, the number will scroll from right to left on the LC Display (IT-D150 only).

To make calls on SPEAKERPHONE (without picking up the handset)

1 Press SPEAKERPHONE.
2 Dial the number.
3 Speak into the microphone when your party answers.
4 When you have finished, press SPEAKERPHONE again to disconnect.

To switch from SPEAKERPHONE to handset during a call → Pick up the handset.
To switch from handset to SPEAKERPHONE → Press SPEAKERPHONE, and then replace the handset in its cradle.



1 When you hear the ring, pick up the handset to answer.
Talk time appears on the LC Display (IT-D150 only).

2 When you have finished, replace the handset in its cradle to disconnect.

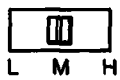
To receive calls on SPEAKERPHONE

1 Press SPEAKERPHONE.
2 Speak into the microphone.
3 When you have finished, press SPEAKERPHONE again to disconnect.

To adjust the volume of the speaker
Use the SPEAKER VOL control.

To adjust the ringer volume level
Select H (high), L (low) or OFF on the RINGER LEVEL selector.

To adjust the ringer tone
Select L (low), M (mid) or H (high) on the RINGER TONE selector.



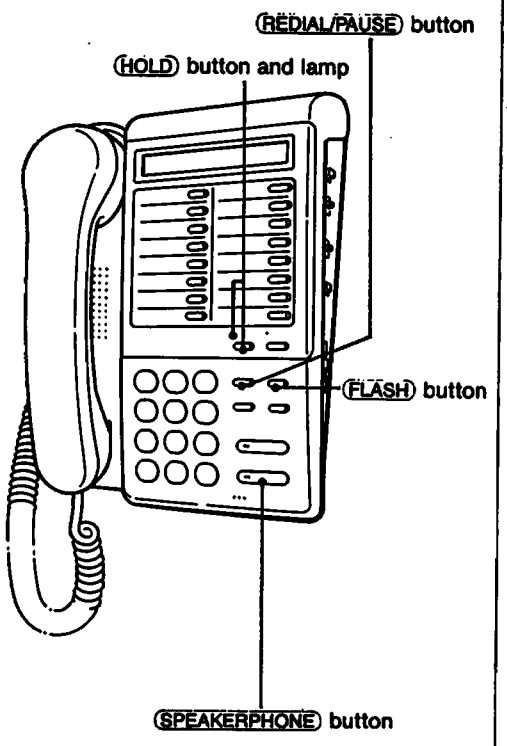
To mute your voice
When you do not want your voice to be heard by your party, press MUTE. The MUTE lamp lights up. You can hear the other party but the other party cannot hear you.

To resume the conversation, press MUTE again. The MUTE lamp goes off.

For the best speakerphone results

- You may not be able to hear the other person's voice in a noisy place. Use the speakerphone in a quiet room.
- Do not bring your hand or other object too close to the microphone. This will result in shrill noise (howling).
- When speaker volume is loud, or the telephone has been placed close to a wall, you may find that the volume drops suddenly. This is due to a circuit in the telephone designed to protect against howling. In such cases, lower the volume slightly.

Redialing a Number



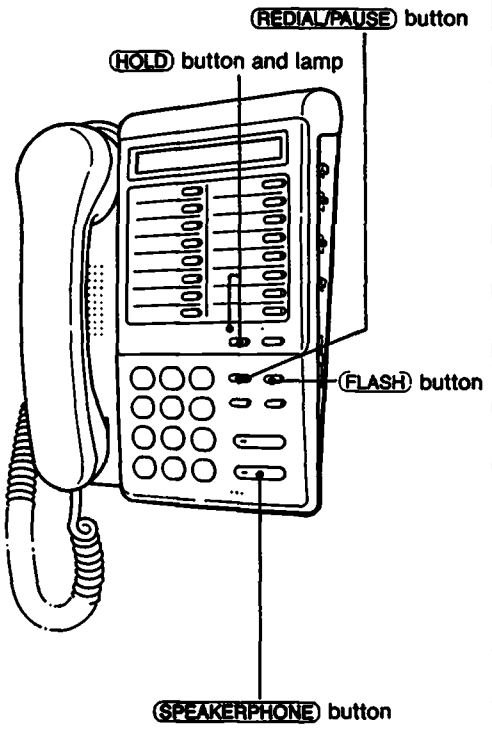
If the line is busy when you call someone, or you want to call again someone you just called, there is no need to dial the number again manually. The REDIAL button automatically redials the most recently dialed number.

Press (REDIAL/PAUSE) instead of dialing the number. The phone number appears on the LC Display (IT-D150 only).

Notes

- You can redial a phone number of up to 32 digits.
- You can transfer the redial number (the first 16 digits if redial number exceeds 16 digits) into one of the one-touch dialing buttons or scratch pad memory. For transferring, see page 15.

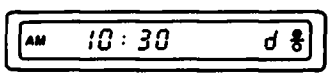
Redialing a Number Repeatedly (IT-D150 only)



If the line is busy when you call someone by pressing (REDIAL/PAUSE), the phone senses the busy tone and it will automatically dial again after 30 seconds, up to ten times. This function only works during calling on SPEAKERPHONE.

Repeat redialing function stops when:
- the phone has redialed ten times, unsuccessfully.
- the call is answered.
- you pick up the handset or pressed (SPEAKERPHONE) to make another call.

The LC Display shows as follows:

During redial	*The phone number.*
During the interval	The current time and "d". The "d" will flash at far right. 

Putting a Call on Hold

Press (HOLD) and put the handset on hook. The HOLD lamp lights up. No sound comes over the line. To resume conversation, pick up the handset again.

If you have not put the handset on hook, just press (HOLD) again to resume conversation.

To resume conversation on an extension phone (connected to the same telephone line), pick up the handset on the extension phone.

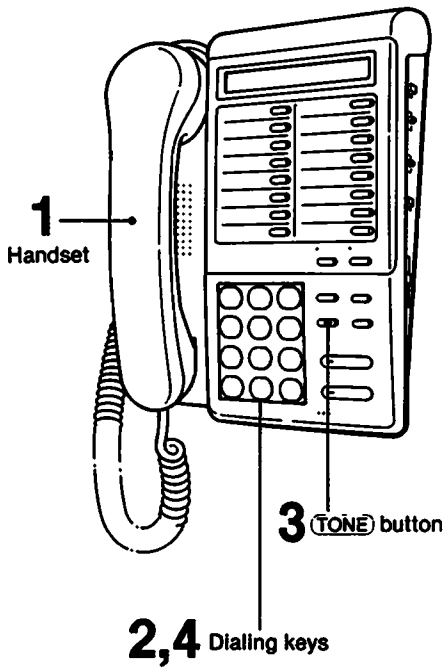
Call Waiting and Flash

If you subscribe to "call waiting service", press (FLASH) to switch from one party to the other.

Note

If you do not have this service, the line will be disconnected when (FLASH) is pressed.

Using Your Long-distance Service



Some services, such as MCI, Sprint and other alternative long-distance companies may require the distinct tones generated by a push-button (touch-tone) phone. If you have pulse-dial service, you can still access these services through a process called "mixed dialing".

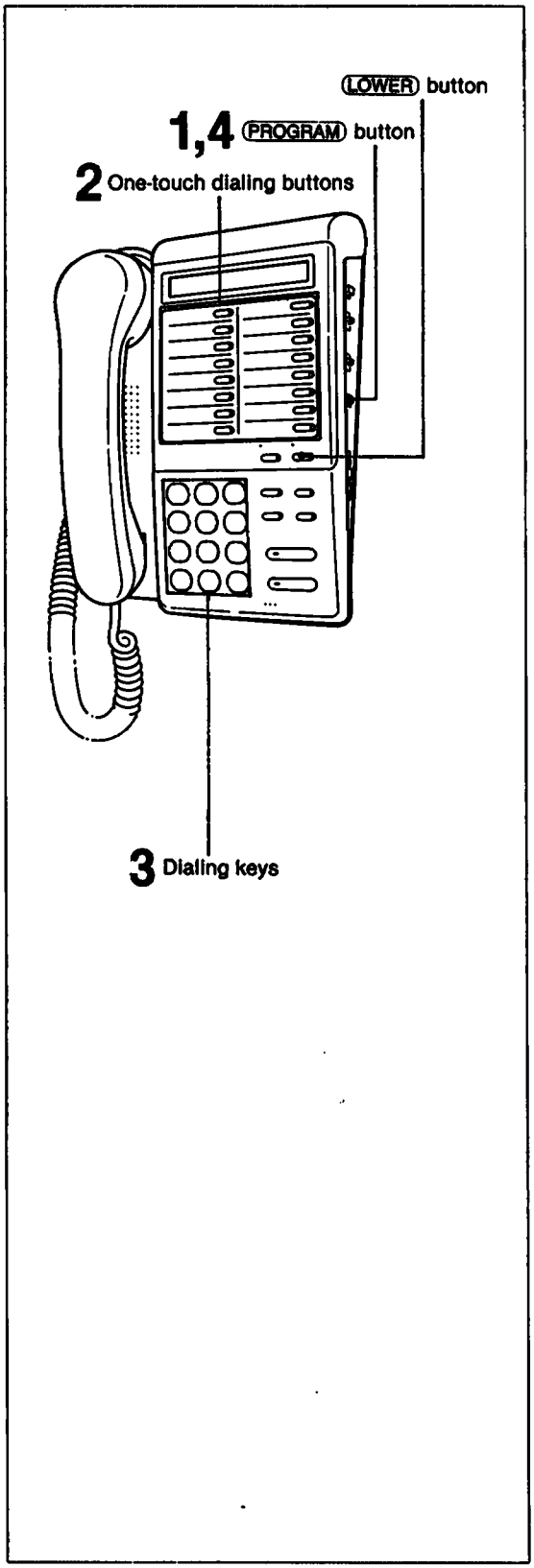
1 Pick up the handset.

2 Dial the access number of the service you want to use.

3 After you are connected to the service, press TONE. (This switches your phone temporarily to emit tone signals.)

4 Dial the long-distance number when instructed by the long-distance company.

Memory Dialing



You can program up to 32 frequently called numbers into memory for automatic one-touch dialing.

You can also transfer the redial memory or scratch pad memory into one of the 32 locations.

Note

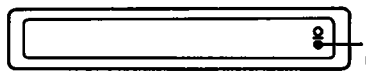
You can program a phone number of up to 16 digits for each one-touch dialing button. (A (TONE), (REDIAL/PAUSE) and (FLASH) will be counted as one digit.)

Programming Numbers

Make sure the handset is on hook.

1 Press (PROGRAM).

2 Press the desired one-touch dialing button.
To select the lower set of memory, press (LOWER) first. The lower lamp lights up at far right on the LC Display (IT-D150 only).



To return to upper set of memory before the lamp goes off, press (LOWER) again.

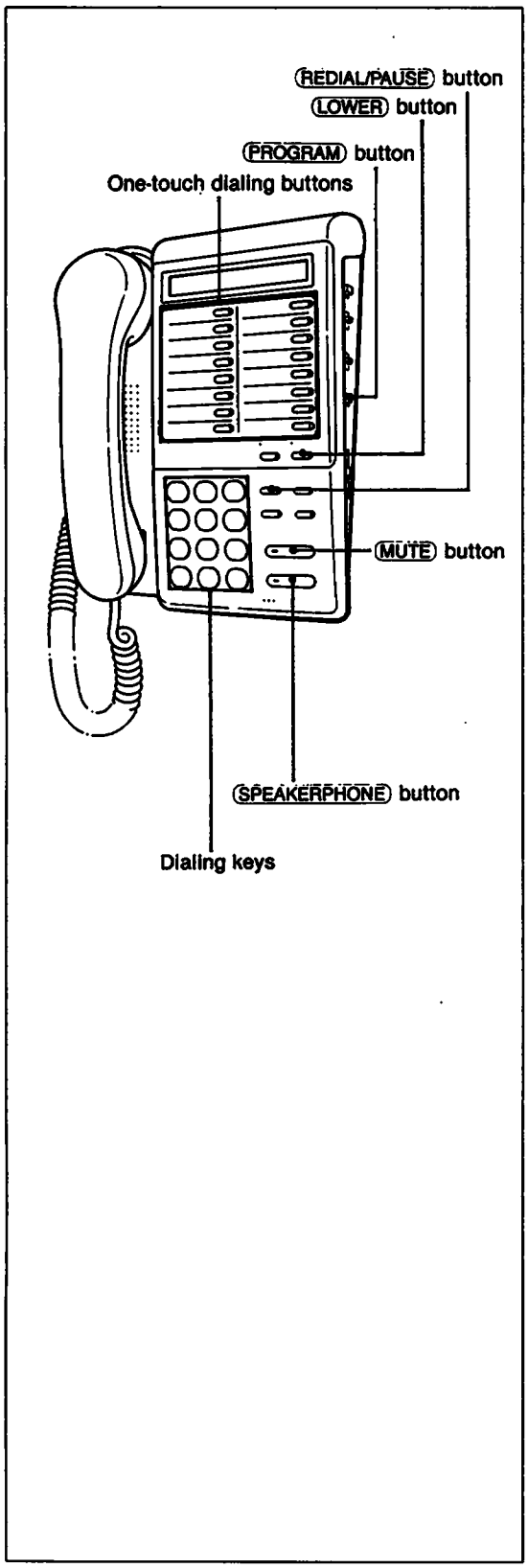
3 Dial the phone number you wish to program.
The number appears on the LC Display (IT-D150 only).

4 Press (PROGRAM) again.
You will hear a long confirmation beep.

To change a programmed number
Program a new number using the procedure above. The old number will be erased automatically.

Notes

- If you enter a number that exceeds 16 digits, an alarm will sound. Go back to step 1.
- If you enter a wrong number, lift and then replace the handset to reset. Go back to step 1.
- The lamp for the lower set of memory will automatically go off in a several seconds after dialing (IT-D150 only).



One-touch Dialing

1 Pick up the handset, or press (SPEAKERPHONE).

2 Press the one-touch dialing button for the desired phone number. For the lower set of memory, press (LOWER) first.
The phone number appears on the LC Display (IT-D150 only).

To Avoid the LC Display of Phone Numbers Programmed into One-touch Dialing Buttons (IT-150 only)

Take the following steps:

1 Press (PROGRAM).

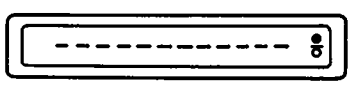
2 Press the desired one-touch dialing buttons.

3 Press (MUTE).
(The MUTE lamp does not light up.)

4 Dial the phone number.

5 Press (PROGRAM).

When making a one-touch call, phone numbers programmed this way will not appear on the LC Display.



Confirming Phone Numbers Programmed into One-touch Dialing Buttons (IT-D150 only)

Press the one-touch dialing button which you wish to confirm.
For the lower set of memory, press (LOWER) first.
The number appears on the LC Display for 5 seconds.

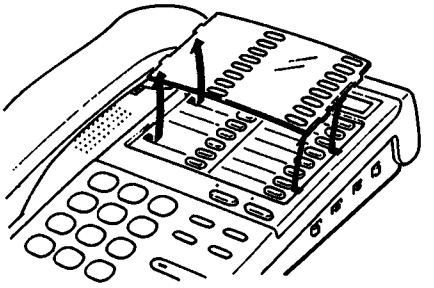
To program memory use with a PBX (Private Branch Exchange)

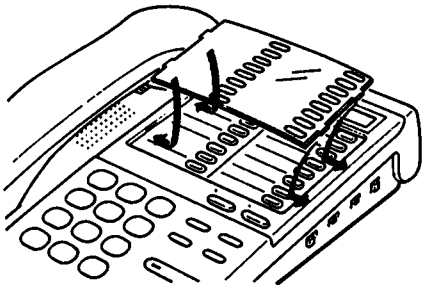
Example: (Suppose that 9 is used to access the outside line.)
Follow the usual programming procedure as shown on page 15. Press (REDIAL/PAUSE) between the "9" and the number. An automatic 4-second pause is programmed.

Example: To program 123-4567 on the one-touch dialing button, upper position.

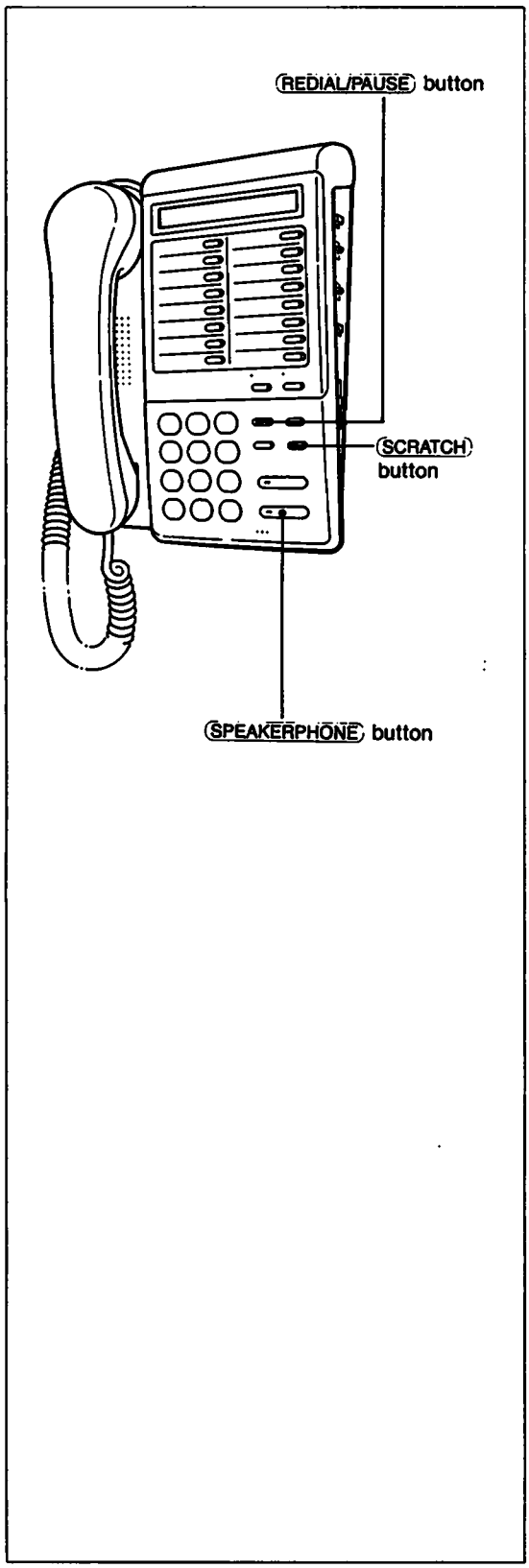
Press:
(PROGRAM) → one-touch dialing button → ⑨ (REDIAL/PAUSE) → ① ② ③ ④ ⑤ ⑥ ⑦ → (PROGRAM)
(A (REDIAL/PAUSE) will be counted as one digit.)

To keep a directory of what you programmed
Lift off the clear panel, take out the directory and write down the name of the person or place whose number you have programmed. When you replace the panel, make sure the buttons protrude fully through the panel's holes.





Scratch Pad Memory



During conversation, you can program another phone number into the "scratch pad" memory. This is useful when taking a phone number from the person on the line.
You can also save the phone number you just dialed into the scratch pad memory, which is useful when you want to redial the number after dialing a different number.

Note

You can program a phone number of up to 16 digits.

Programming a Number

1 Press (SCRATCH).

2 Dial the phone number (or press (REDIAL/PAUSE)).
The phone number appears on the LC Display (IT-D150 only).

3 Press (SCRATCH) again.

Note

If you enter a number that exceeds 16 digits, an alarm will sound.

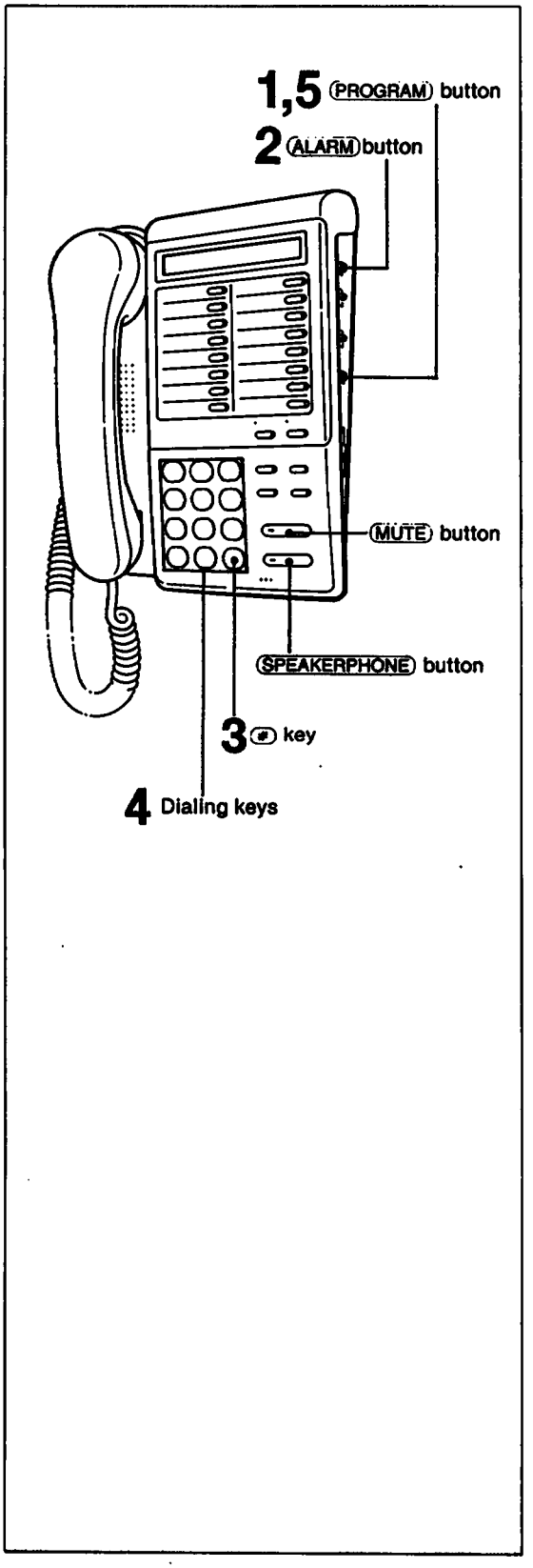
Dialing from Scratch Pad Memory

1 Pick up the handset or press (SPEAKERPHONE).

2 Press (SCRATCH).
The phone number appears on the LC Display (IT-D150 only) and the number is dialed automatically.

To delete the phone number
Press (SCRATCH) twice. With the first press, the phone number appears on the LC Display and with the second press, the memory is erased and the current time appears (IT-D150 only).

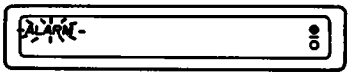
Using the Reminder Alarm (IT-D150 only)



Setting the Reminder Alarm

1 Press (PROGRAM).

2 Press (ALARM).
ALARM flashes on the LC Display.



3 Press (#) to select AM or PM.

4 Program the time by using the dialing keys.
Example: To set to 8:30, enter ⓪ ⑧ ③ ⓪.

5 Press (PROGRAM) again.
ALARM stops flashing and stays lit.
At the programmed time the alarm sounds for about 1 minute.

To stop the alarm sound

- Press (MUTE).
  or
- Pick up the handset or press (SPEAKERPHONE).

Once an alarm time is programmed, you can set the alarm for the same time just by pressing (ALARM) every day.

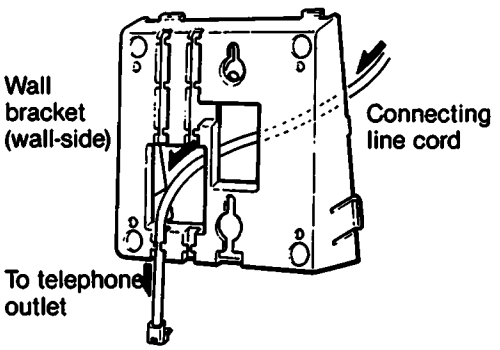
To confirm the alarm time

1 Press (ALARM).
ALARM light goes off.

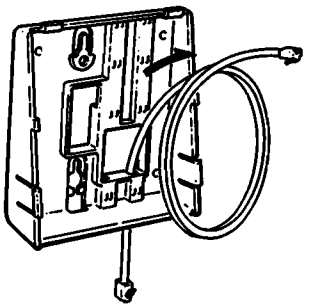
2 Press (ALARM) again.
ALARM lights up.
The programmed time appears on the LC Display for about 5 seconds.

Mounting Your Phone on the Wall

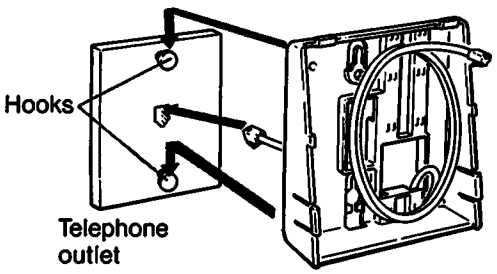
1



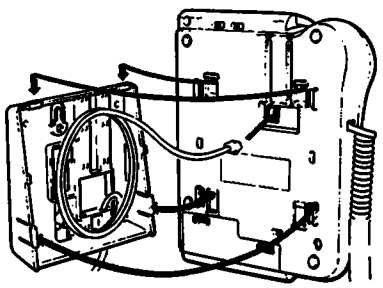
2 **Coil the connecting line cord inside the wall bracket.**



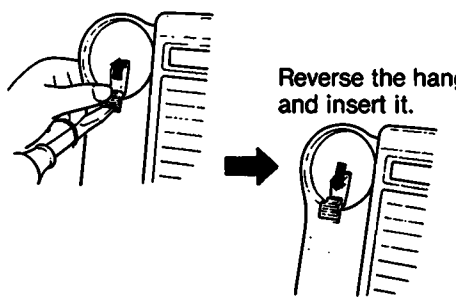
3 **Hook the bracket to the telephone outlet.**



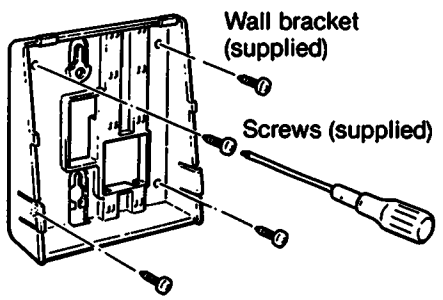
4 **Align the installation hooks with the slots on the wall bracket. Insert telephone in the bracket and push down.**



5 **Raise the hanger for the handset to remove.**



In step 3, if you cannot hook the bracket, attach it directly to the wall. Use the supplied screws.

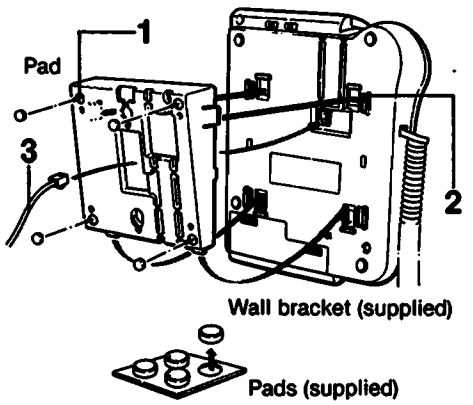


- Do not install the phone in a location near a heat source such as radiators or airducts, or in a place subject to direct sunlight, excessive dust, moisture, rain, mechanical vibration, or shock.
- Do not place the phone on or near a TV set or a personal computer to avoid interference.
- Should any liquid or solid object fall into the phone, unplug the phone and have it checked by qualified personnel before operating the phone any further.
- This telephone is designed and approved for single party lines only. It should not be connected to multiple lines or a coin telephone.

If you have any question or problem concerning your telephone that is not covered in this manual, please consult the nearest Sony Service Station authorized to service telephone terminal equipment.

Using Your Phone on the Desk

With the wall bracket attached as explained below, the indications on the telephone can be seen more easily when the unit is used on the desk.



1 Put the four pads into the hollows of the wall bracket.

2 Attach the wall bracket to the telephone as shown.

3 Connect the connecting line cord to TEL LINE jack.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation, if this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— reorient the receiving antenna
— relocate the equipment with respect to the receiver
— move the equipment away from the receiver
— plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by he Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No.004-000-00345-4.

SERVICE REQUIREMENTS

If your feature telephone model should malfunction, all repairs will be performed by an authorized Sony Service Station. This unit has been registered within the FCC for direct connection to the telephone network. Under the FCC program, no customer is authorized to repair this unit. This applies to a unit in and out of warranty. If an unauthorized repair is performed, the registration of the unit for direct connection to the network will be null and void. If the unit is still in warranty, the remainder of the warranty period will also be null and void.
It is the responsibility of users requiring service to report the need for service to their Sony dealer.

IMPORTANT INSTRUCTIONS TO USERS

Your feature telephone has been approved by the Federal Communications Commission (FCC) as not being harmful to the telephone network when connected directly to the telephone lines. In order to fully comply with the Rules of the FCC, the following instructions should be read carefully and followed completely where applicable:

1 The FCC rules require that all direct connection to the telephone lines must be made through standard plugs and jacks. No connection can be made to party lines or coin lines. Prior to connecting your device to the lines:

a) Upon request from your telephone company, you must provide the 14 digit FCC Registration Number and Ringer Equivalence Number, both of which are on a label located on an outer surface of the device.

b) After the telephone company has installed the jack, you can connect your feature telephone by inserting the mating plug of your equipment into this jack.

c) All repairs must be accomplished as described in the "Service requirements".

d) The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.

2 If it appears that your feature telephone is malfunctioning, it should be disconnected from the telephone line until it can be determined whether your feature telephone is the source of the trouble or not. If your machine needs repair, it should not be reconnected until such repairs have been made.

3 If harm does occur, the telephone company shall, where practicable, notify you, the customer, that temporary discontinuance of service may be required; however, where prior notice is not practical, the telephone company may temporarily discontinue service forthwith, if such action is reasonable in circumstances. In case of such temporary discontinuance, the telephone company shall (1) promptly notify you, the customer, of such temporary discontinuance (2) afford you, the customer, the opportunity to correct the situation which gave rise to the temporary discontinuance, and (3) inform you, the customer, of your right to bring a complaint to the Commission pursuant to the procedures set forth in the Rules.
Procedures for filling the complaints can be obtained from your local dealer, or if necessary, by writing directly to the manufacturer.

Specifications

Dial signal	Tone, 10 PPS (pulse) selectable
Dimensions	Approx. 178×75×223 mm (w/h/d) (Approx. 7⅛×3×8⅞ inches)
Weight	Approx. 0.85 kg (including attachments) (Approx. 1 lb 14 oz)
Supplied accessories	Connecting line cord (1) Size AA batteries (3) Wall bracket and screws (1 set)

Design and specifications subject to change without notice.

If You Have a Problem

No dial tone	Is the connection cord securely plugged into the telephone line jack?
You are connected to the wrong number, or not connected at all, even though you dialed correctly.	Is the DIAL MODE setting correct? See instructions on p. 7.
The redialing function does not operate.	• Was the last number you dialed more than 32 digits long? • Was the number you intended to call really the last number you dialed?
The memory dialing function does not operate.	• Is there a telephone number programmed for the one-touch dialing button you pressed? • Did you select upper or lower set of memory correctly for the one-touch dialing buttons?
You cannot program a phone number (an alarm tone sounds).	• Did you follow the programming procedures correctly? • Is a phone number programmed more than 16 digits long for each one-touch dialing button? • Try program again. Pick up and replace the handset, and go through the procedure once more.

3-751-379-22 (1)

Feature Telephone

IT-D100/D150

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